




GOSPORT AND ALVERSTOKE
URBAN DISTRICT COUNCIL.

REPORT
OF THE
Medical Officer of Health,
J. W. GREGORY KEALY,
M.R.C.S., L.R.C.P., D.P.H.,
For the Year 1914.

PRINTER: F. PARKER. 55, FORTON ROAD, GOSPORT.



Digitized by the Internet Archive
in 2017 with funding from
Wellcome Library

<https://archive.org/details/b29263438>



ANNUAL REPORT

OF THE

Medical Officer of Health,

FOR THE

Urban District of Gosport and Alverstoke,

FOR THE YEAR 1914.

*To the Chairman and Members of the Gosport and Alverstoke
Urban District Council.*

GENTLEMEN,

I have the honour of submitting to you my Fifth Annual Report for the year 1914.

Births and Birth Rate.—836 Births were registered in the District, 34 were transferred from other districts as belonging to our own, making the net total 870—Males 450, Females 420, giving a birth rate of 23·8; the general birth rate of England and Wales being 23·6.

Deaths and Death Rate.—The total number of deaths recorded in the District was 473—of these 56 were transferred away to their own districts, and 33 were notified of “residents” who had died away from our District. The net deaths amounted thus to 450, giving an annual average of 13·2; that of the general death rate being 13·2 for England and Wales.

Mortality at Several Ages.

		1910	1911	1912	1913	1914
Deaths at under 1 year	...	72	115	57	95	56
„ „ „ 5 years	...	25	54	27	30	24
„ „ 5 and under 15 years		18	18	15	8	14
„ 15 „ 25 „		32	23	52	22	40
„ 25 „ 65 „		179	179	150	156	198
„ 65 and upwards	...	120	117	94	113	141

Infant Mortality.—Deaths during this period of life, numbered 57. Congenital malformation and premature birth accounting for 22, lung affections for 12, and infective enteritis for 6.

Infant Mortality Rate for the past 5 years.—

1910	per thousand born	78·34
1911	„ „	135·45
1912	„ „	64·69
1913	„ „	113·23
1914	„ „	65·51

Advanced Age Mortality.—The inclement weather of the first three months in the year and of the last, added heavily to the numbers of aged people who succumbed, 110 ; of these 69 had reached 70 years and over, 32 were 80 and over, and 9 were nonegenarians.

Location of Deaths.

MONTH.	District Proper.	Govern- ment Estab- l'shm'ts.	House of Indus- try.	Blake Hos- pital.	Outside District.	Resi- dents Away.	TOTAL
January ...	48	8	4	...	...	2	62
February ...	25	7	6	...	...	5	43
March ...	24	8	3	...	...	1	36
April ...	36	15	4	...	...	2	57
May ...	26	5	5	1	...	3	40
June ...	21	5	1	...	2	...	29
July ...	21	10	1	...	...	3	35
August ...	23	6	3	1	...	3	36
September ...	28	12	4	1	...	4	49
October ...	17	9	2	...	...	7	35
November ...	22	7	3	1	...	...	33
December ...	32	7	7	2	...	3	51
TOTALS ...	323	99	43	6	2	33	506

Thirty-three of the above were transferred to their own
Districts, making the net deaths 473.

The following Tables contain the statistics as to Births and Deaths registered month by month, with a summary showing the annual increase by Births over deaths for the past 10 years.

MONTH.	BIRTHS.			DEATHS.		Births. Illegiti- mate.
	Males.	Females	TOTAL	Whole District.	District Proper.	
January ...	38	33	71	60	52	4
February ...	30	25	55	38	31	4
March ...	28	41	69	35	27	1
April ...	34	34	68	55	40	1
May ...	31	29	60	37	32	4
June ...	42	45	87	29	22	3
July ...	43	37	80	32	22	2
August ...	36	34	70	33	27	5
September ...	45	33	78	45	33	3
October ...	32	44	76	28	19	1
November ...	34	17	51	33	26	3
December ...	41	30	71	48	41	2
TOTALS ...	434	402	836	473	372	33
TRANSFERRED	16	18	34	30 from —23 33 56		1
TOTALS ...	450	420	870	450		34

Annual Increase since 1905.

Year.	Births.	Deaths.	Increase.
1905	892	509	383
1906	915	451	464
1907	882	419	463
1908	897	381	516
1909	867	454	413
1910	919	437	482
1911	835	490	345
1912	857	395	462
1913	813	423	390
1914	836	473	363

The following Table and Statistics furnish a Summary of the foregoing Tables.

YEAR	Population estimated to Middle of each Year	Births.			TOTAL DEATHS REGISTER'D IN THE DISTRICT.		TRANSFER- ABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Uncorrected Number.	Nett.						Under 1 Year of Age.		At all Ages.	
			Number.	Rate.	Number.	Rate.	of Non-residents registered in the District.	of Residents not registered in the District.	Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1909	32000		867	28.00	454	14.19			67	77.27		
1910	32500		919	28.27	437	13.44			72	78.34		
1911	33300		849	25.49	490	14.71	46	41	115	135.45	485	14.56
1912	33300	857	881	26.45	395	11.86	50	29	57	64.69	374	11.20
1913	33500	813	839	25.04	423	12.62	34	35	95	113.23	424	12.65
1914	34000	836	870	25.58	473	14.11	56	33	57	65.51	450	13.23

Area of District—3,878 Acres.

Total Population, all Ages (1911 Census)—33,301.

Total families or separate occupiers 6861.

Infantile Mortality during the Year 1914.

Nett Deaths from stated Causes at various Ages under One Year of Age.

CAUSE OF DEATH.		Under 1 Week	1 to 2 Weeks	2 to 3 Weeks	3 to 4 Weeks	Total under 4 Weeks.	1 to 3 Months	3 to 6 Months	6 to 9 Months	9 to 12 Months	Total Deaths under One Year.
All Causes	Certified	..	..						
	Uncertified	..	..						
Small Pox										
Chicken Pox										
Measles										
Scarlet Fever										
Whooping Cough..	..							1			1
Diphtheria and Croup	..										
Erysipelas										
Tuberculous Meningitis	..										
Abdominal Tuberculosis	..						2		1		3
Other Tuberculous Diseases										
Meningitis (not Tuberculous)	..				1	1	1				2
Convulsions						4		2	1	7
Laryngitis										
Bronchitis						1	3	2	1	7
Pneumonia (all forms)	..								4	1	5
Diarrhoea						1				1
Enteritis						3	1		1	5
Gastritis										
Syphilis						1				1
Rickets										
Suffocation, overlying	..										
Injury at Birth	1				1					1
Atelectasis										
Congenital Malformations	..	1				1					3
Premature Birth	11	3	2	1	17	2	1		1	19
Atrophy, Debility and Marasmus	..										
Other Causes	1				1				1	2
TOTALS	..	14	3	2	2	21	15	6	9	6	57

Nett Births in the Year—Legitimate—836 ; Illegitimate—34. Nett Deaths in the Year—Legitimate—54 ; Illegitimate—3.

Causes of, and Ages at Death during the Year 1914.

CAUSES OF DEATH.	NETT DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING WITHIN OR WITHOUT THE DISTRICT (a).								Total Deaths whether of "Residents" or "Non-residents" in Institutions in the District (b).
	All ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.
1	2	3	4	5	6	7	8	9	10
448	2					1			1
Enteric Fever ...	4						3	1	4
Small Pox ...	1			1					1
Measles ...	3			1	1	1			3
Scarlet Fever ...	3	2		1					3
Whooping Cough ...	4				4				4
Diphtheria and Croup ...	5			1	1			2	5
Influenza ...									
Erysipelas ...									
Phthisis (Pulmonary Tuberculosis)	44				2	10	22	10	44
Tuberculous Meningitis ...	6			1	3	2			6
Other Tuberculous Diseases ...	14	3	2	1	1	3	4		14
Cancer, malignant disease ...	33						5	11	33
Rheumatic Fever ...									
Meningitis ...	7	2		1	1	2	1		7
Organic Heart Disease ...	37					1	8	13	37

Bronchitis	...	...	7	2	2	1	6	17	33
Pneumonia (all forms)	...	...	4	4	2	1	6	4	28
Other Diseases of Respiratory Organs ...	...	...	3	1	...	...	1	2	3
Diarrhoea and Enteritis	...	...	6	1	...	...	...	...	7
Appendicitis and Typhlitis	...	...	...	...	...	2	...	...	2
Cirrhosis of Liver ...	...	...	5	...	...	...	5	...	5
Alcoholism	...	...	...	...	...	...	...	...	...
Nephritis and Bright's Disease	...	...	1	1	...	2	8	8	20
Puerperal Fever ...	...	...	1	...	1	...	...	...	1
Other accidents and diseases of Pregnancy and Parturition ...	...	...	...	...	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth	...	...	24	...	...	...	...	...	24
Violent Deaths, excluding Suicide	...	...	1	...	...	2	2	3	14
Suicide	...	...	3	...	...	2	1	...	3
Other Defined Diseases	...	...	139	1	2	14	34	83	139
Diseases ill-defined or unknown	...	...	...	...	...	...	...	...	...
Convulsions	...	...	10	2	1	...	...	...	10
TOTALS	...	...	57	13	12	14	100	150	450
Sub-Entries. included in above figures.	14 (a)	Cerebro-spinal Meningitis ...	3	...	...	1	...	...	...

Zymotic and Infectious Diseases.—Deaths due to the above numbered 20. Two from Enteric, three from Scarlet Fever, six from Infective Enteritis.

The last quarter of the year, in which the weather was very inclement, was marked by the occurrence of many cases of Diphtheria, seventy-five per cent. of the total being contributed by school children.

Much assistance in dealing with these local outbreaks was given by the School Nurse in making enquiries amongst the scholars and in sending on suspicious cases to the School Medical Officer and myself, for further examination.

During the year, the number of cases notified to the School Medical Officer, was—

Scarlet Fever	...	43
Diphtheria	...	101
Enteric	...	2
Cerebro Spinal Meningitis...		1
		<hr/>
		152
		<hr/>

The following tables show the notifications received, the number of cases removed to the Blake Hospital, and the distribution of deaths.

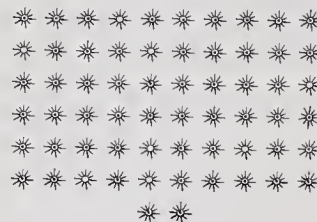
SPOT DISEASE MAP, 1914.



☆ Scarlet Fever.
 * Diphtheria.
 0 Enteric.

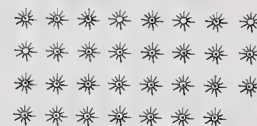
NORTH WARD.

0



SOUTH WARD.

0 0



TOWN WARD.

0 0

Cases of Infectious Disease notified during the Year 1914.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.						TOTAL CASES NOTIFIED IN EACH LOCALITY (e.g. Parish or Ward) of the District						Total Cases Removed to Hospital.		
	At all Ages.	At Ages.—Years.					Gosport.	North	South	Gosport	North	South			
		Under One.	1 to 5	5 to 15	15 to 25	25 to 45								45 to 65	65 and up- wards
Small Pox	...														
Cholera, Plague	...														
Diphtheria (including Mem- branous Croup)	...	135	19	101	11	4		31	62	42	29	62	35	126	
Erysipelas	...	7		1	1	3	2	2	3	2					
Scarlet Fever	...	85	24	50	7	4		11	22	52	10	24	49	83	
Typhus Fever	...														
Enteric Fever	...	5		2		1	2	2	1	2		2	2	4	
Relapsing Fever	...														
Continued Fever	...														
Puerperal Fever	..	3			2	1		1	1	1					
Cerebro-Spinal Meningitis	...	1		1				1							
Poliomyelitis	...														
Ophthalmia Neonatorum	...	8							5	3					
Pulmonary Tuberculosis	...	54	1	12	7	25	8	10	22	22					
Other forms of Tuberculosis	...	17	5	4	5	2	1	4	3	10					
TOTALS	...	315	8	49	33	40	12	2	62	119	134	39	88	213	

Isolation Hospital. Name and Situation :—Blake Isolation Hospital, Elson. Gosport.

Total available beds—34. Smallpox—12. No. of diseases that can be concurrently treated—4.

Blake Isolation Hospital.—The total admissions for treatment and observation during the year, numbered 208.

Scarlet Fever.—Admissions 83. Two proved fatal, one of them being complicated with Concurrent Diphtheria. Two developed a mild second attack during the convalescent or peeling stage.

Enteric.—Two were admitted suffering from this. A third case, admitted for Diphtheria, was suspected to be in the latent stage of Enteric, gave a positive blood test and was transferred. A suspected “carrier” was sent in for investigation.

Diphtheria.—Admissions 126. Eighty-three of these being in the last 4 months of the year. Many of these latter were of a severe character, and four proved fatal. The School Nurse was notified of the children absent from School on this account, and the remaining members of the classes were examined. Three or four nasal cases were thus brought to the notice of the School Medical Officer and myself, and further spread of the infection was thus checked.

Mumps and Chicken Pox attacked a few of the patients.

Infectious Diseases Notifications.

The following Table shows the notifications received. On and after February 1st, 1913, "other Tubercular Diseases" in addition to Pulmonary, were made notifiable. On April 1st, "Ophthalmia Neonatorum" was made notifiable.

The cases removed to Blake Hospital and the distribution of Deaths during the past ten years are shown below ;—

YEAR.	Notifi- cations Re- ceived.	Re- movals to Blake Hospit'l	Deaths in Blake Hos- pital.	Deaths in Naval Hospit'l	Deaths in H'se of Indust'y	Deaths in Chil- dren's Home.	Deaths in District Proper.	TOTAL DEATHS
1905	233	126	4	5	...	...	8	17
1906	86	51	3	6	...	...	...	9
1907	53	29	4	5	...	...	3	12
1908	93	77	2	5	...	...	...	7
1909	128	95	7	3	..	...	3	13
1910	235	195	9	6	...	...	1	16
1911	169	140	11	...	...	...	1	12
1912	191	165	4	4	...	...	6	14
Pulmonary Tuberculosis	45	...	...	6	4	...	22	32
1913	194	169	2	7	...	1	3	13
Pulmonary	46	...	...	11	4	...	22	37
Non- Pulmonary Tuberculosis	25	...	...	...	...	...	...	...
1914	244	213	6	* 4	...	...	2	...
Pulmonary	54	...	...	16	4	...	30	50
Non- Pulmonary Tuberculosis	17	...	...	...	...	...	...	...

* Cerebro-Spinal Meningitis ... 2.

Pulmonary Tuberculosis.—Fifty-four Primary Notifications were received during the year.

The total number of deaths was 50, four occurring in the House of Industry, and sixteen in the Royal Naval Hospital.

Occupations of Deceased.

R. Navy.	R.M. L.I. & R.M.A.	Pensioner	Housewives	Spinsters	Domestic Servants	Mercantile Marine	Labourer	Stokers, R.N.	School Girls.	Tailor	Driller	Railway Porter	Beer Retailer	Drayman	Shipwright	Rivetter	Hairdresser	Army Chaplain	TOTAL
7	5	6	7	3	3	3	3	2	2	1	1	1	1	1	1	1	1	1	50

Age Distribution.

Under 20 years	25	30	35	40	45	50	55	60	65	Total.
9	6	7	7	8	3	2	5	1	2	50

Water Supply.—During the year, a new shaft has been sunk at Soberton on the property of the Gosport Water Works Company, with such satisfactory results that the available supply has been more than doubled.

Two samples taken during the year, on analysis, gave the usual high standard of excellence, the new work having been completed, any “supplemental” supply will no longer be required.

New Buildings.—Twenty-seven new houses and ten other buildings and additions.

Sewerage.—A total of 115 houses have been connected up to the new sewerage system during the year, of these, 61 formerly drained into old drains discharging into the Creeks or Harbour.

Sewage Disposal.—The outfall extension has now been carried a further 180 yards into the Solent when completed the outfall will be over 400 yards beyond the foreshore.

Refuse Disposal.—6875 tons of Household Refuse and ashes from the houses, Forts and Government Establishment in the District have been burnt in the Refuse Destructor Cells during the year.

Housing Regulations.—The inspection of the North Ward has been continued during the year. The number of dwelling-houses inspected under and for the purposes of Section 17 of the Act of 1907 was 527.

The number of dwelling-houses which on inspection were considered to be in a state so dangerous or injurious to health as to be unfit for human habitation was two, as follows:—1 and 4 Spring Street.

The number of representations made to the Local Authority with a view to the making of Closing Orders, 2.

The number of Closing Orders made, 2. Nos. 9 and 10 The Green, were demolished without the making of Closing Orders.

The number of dwelling-houses, the defects in which were remedied without the making of Closing Orders was 219.

The number of dwelling-houses which, after the making of Closing Orders, were put into a fit state for human habitation, nil.

The general character of the defects found to exist was dampness of rooms and walls from leaking roofs, defective weather slating, eaves, gutters, and down spouts; minor defects being broken flooring, defective sashes, broken windows, and inability to open them.

The number of notices served under the Housing Town Planning Act, 1909, was 180.

From the information gained during the week by week inspection of the houses and of the housing conditions, there seems to be a small demand for some more working class houses, with three bedrooms. Sporadic cases of overcrowding have been met with, but there is none such in the district to any extent.

Food Inspection, Slaughter Houses, Bakehouses.

During the year, in the course of inspection, three pigs and two cows were condemned, also four sets of lungs, livers, etc., and eight tins of lobster. All the condemned stuff was sent to the destructor.

The Slaughter Houses are under constant supervision and are found to be kept in as good a condition as is possible, and the same report may be made upon the Bakehouses; one modern one has been built, and one closed during the year.

Factories' and Workshops' Act, 1901.

The Factories and Workshops have been regularly inspected, the condition of all being satisfactory. The Outworkers' premises also have been visited and found, with few exceptions, clean and well kept.

Routine Work.—During the year periodical inspections have been made of the Cowsheds, Dairies, Milkshops, Bakehouses, Workshops, Laundries, Stables, Piggeries, and Common Lodging Houses.

The Courts and Alleys have been regularly limewashed.

The usual tabulated statements of visits made by the Sanitary Inspector and the Assistant Sanitary Inspector, of notices served for the abatement of nuisances, together with those of nuisances abated, are appended.

General.—During the last quarter of the year, a movement was instituted by our District Nurses of the Victoria Nursing Association, of weekly instruction to Mothers in the care and management of their infants.

Many lady workers interested in "Mothercraft" have come forward to assist. Over sixty Mothers have joined, and marked improvement in several instances has already been noted.

The "public health" is likely to be much improved by this useful work.

I have the honour to remain,

Gentlemen,

Your obedient Servant,

J. W. GREGORY KEALY,

M.R.C.S., L.R.C.P., D.P.H.,

Medical Officer of Health.

Gosport and Alverstoke Urban District Council.

February, 1915.

Factories, Workshops, Workplaces and Homework.

1. INSPECTION.

Including Inspections made by Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices	Prosecutions.
Factories (including Factory Laundries) ...	21	2	...
Workshops (including Workshop Laundries)	195	3	...
Workplaces (other than Outworkers' premises included in Part 3 of this Report) ...	...	...	...
Total	216	5	...

2. DEFECTS FOUND.

PARTICULARS.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Insp.	
Want of cleanliness ...	1	1	...	...
Other Nuisances ...	3	3	...	...
Breach of Special Sanitary requirements for bake-houses (ss. 97 to 100)...	1	1	...	...
Total	5	5	...	...

3. HOMEWORK.

Nature of Work.	OUTWORKER' LIST, SEC. 107.						OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.	
	Lists received from Employers.							
	Sending twice in the year.			Sending once in the year				
	Lists	Outworkers		Lists	Outworkers		In- stances	Orders made (S 110)
Con- tractors		Work- men	Con- tractors		Work- men			
Wearing Apparel— Making, etc.	12	13	1032	2	...	5	2	2
Total ...	12	13	1032	2	...	5	2	2

4. Registered Workshops.

Workshops on the Register (s. 131) at the end of the year.	Number.
118	118
Total number of Workshops on Register ...	118

5. OTHER MATTERS.

Class.	Number
Matters notified to H.M. Inspector of Factories:—	
Failure to affix Abstract of the Factory and Workshop Act (s. 133, 1901)	
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act, (s. 5, 1901)—	
Notified by H.M. Inspector ...	3
Reports (of action taken) sent to H.M. Inspector	3
Other ... ..	...
Underground Bakehouses (s. 101) in use at the end of year ... ..	...

**Notifications to Librarian, Head Teachers, and
Rooms Disinfected.**

Ward	Librarian	Head Teachers	Rooms Disinfected
Gosport ...	4	77	44
North ...	3	110	108
South ...	15	155	126
Total ...	22	342	278

Summary of Visits made by the Inspector and Assistant-Inspector.

Description of Visits.	Insp'trs. Visits.	Assist- Insp'trs. Visits.	Totals.
Infectious Diseases investigated by Inspector and Assistant-Inspector ...	213	22	235
Number of Complaints and Nuisances attended to ...	127	20	147
,, Visits <i>re</i> Sanitary Matters ...	851	498	1349
,, ,, to look up Notices served	157	41	198
,, ,, Slaughter Houses and Butchers' Shops ...	373	270	643
,, ,, Cowsheds, Dairies, and Milkshops ..	86	19	105
,, ,, Workshops under the Factory Act ...	122	21	143
,, ,, Bakehouses ...	64	9	73
,, ,, Outworkers ...	107	297	404
,, ,, Common Lodging Houses ...	118	89	207
,, ,, Fried Fish Shops ...	41	9	50
,, ,, Stables ...	114	265	379
,, ,, Piggeries ...	52	86	138
,, ,, Schools ...	5	...	5
,, ,, Disinfection of Rooms	208	17	225
,, ,, for Removal of Bedding	20	...	20
,, ,, Shops Act, 1912 ...	208	...	208
Housing Town Planning Act, 1909 :—			
,, Notices Served to Inspect ...	160	367	527
,, Houses Inspected ...	527	...	527
,, Drains, Water Closets, etc. ...	149	378	527
,, Re-Visits to inspect Work done ...	445	132	577
TOTAL	4147	2540	6687.

Summary of Notices Served, and Nuisances Abated.

	Abatement Notices.		Nuisances Abated after Notices by		Notices in Hand.
	Informal by Inspector	Formal by Authority	Inspector	Authority	
Privy Empted and Cleansed ...	1	1	1	1	
Premises provided W.C. accommodation ...		1		1	
Drains re-laid and repaired ...	1		1		
Storm drains re-laid ...	2		2		
„ „ provided ...	5		5		
New Closet pans provided ...	5		3		2
Flush Boxes to Water closets provided	4		3		1
„ „ „ repaired	14		14		
Choked Water closets and drains cleared and cleansed ...	26		26		
Storm Drains cleared and cleansed...	7		7		
New Manhole Covers provided ...	3		3		1
New Sink Wastes ...	1		1		
Premises Repaired and put in order	13	6	9	4	8
Repair Roofs, etc. ...	15		15		
„ Floors ...	4		4		
„ Yard Paving ...	18		13		5
„ Eaves, Gutters & Down Spouts	15		15		
„ Mica Flaps, etc. ...	39		31		8
Cleanse dwelling ...	2		2		
Fresh air inlet heads provided ...	4		3		1
Stopper to clearing eye provided ...	2		2		
Accumulation of refuse, etc., removed	1	1	1	1	
Overcrowding reduced ...	2		2		
Premises provided with Water Supply			1		
Nuisance Bye-laws ...	4		4		
Factory and Workshops, walls and ceilings limewashed, etc. ...	5		5		
Dairies', Cowsheds' and Milkshops' Regulations ...	1		1		
Housing Town Planning Act, 1909...	180		219		52
Letters written <i>re</i> Sanitary matters and Nuisances abated ...	57		62		
Totals ...	431	9	455	7	78